

TREATMENT OF CROWDING BY EXTRACTION AND FIXED APPLIANCES

- CASE REPORT -



ZORANA STAMENKOVIC, NENAD NEDELJKOVIC, VLADAN MIRJANIC

UNIVERSITY OF BELGRADE SCHOOL OF DENTISTRY

Background: The aim of this study was to show that crowding can be successfully treated by fixed appliances with extraction of all four premolars.

Methods and materials: Female patient, 14 years of age

- **Diagnosis:** Crowding, dental Class I and skeletal Class II
- **Study cast analysis:** Crowding in the upper jaw of 4.5mm and 11.5mm in the lower jaw, overbite 3mm, overjet 3mm and 3mm lower dental midline shift to the left

Treatment plan:
Extraction of all four premolars, upper and lower fixed appliances

BEFORE TREATMENT

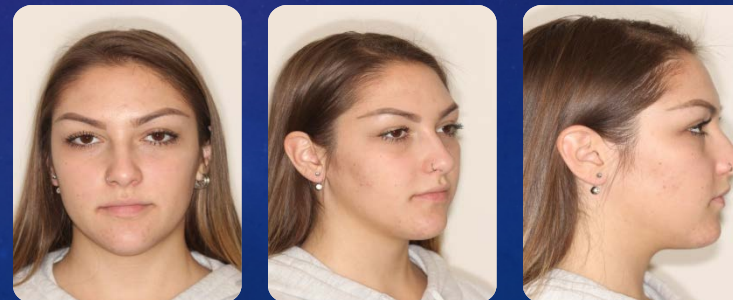
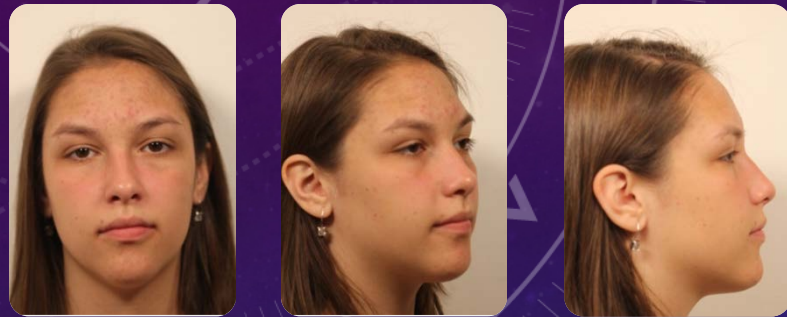


SNA	85°
SNB	78°
ANB	7°
B	32°
Bjork	401°
I/SpP	65°
i/MP	89°

AFTER TREATMENT



SNA	82°
SNB	77°
ANB	5°
B	31°
Bjork	404°
I/SpP	67°
i/MP	91°



Results: Now patient is in retention period with stable therapeutic results and wears splints every night. Stable Class I occlusion was achieved, overjet 2mm and overbite 2mm.